AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions:

1. - 3. (Cancelled)

4. (Previously Presented) A method comprising:

comparing a brightness level for a backlight to a threshold brightness
level, said backlight having a voltage inverter;

if the brightness level is above the threshold brightness level, setting an
indicator to indicate a high brightness level;

if the brightness level is below the threshold brightness level, setting the
indicator to indicate a low brightness level; and

selecting either a continuous mode of operation for the voltage inverter or
a burst mode of operation for the voltage inverter based at least in part on the
indicator, wherein the threshold brightness level corresponds to an intersection of
an efficiency curve of the voltage inverter in the continuous mode and an
efficiency curve of the voltage inverter in the burst mode.

5. (Original) The method of claim 4 further comprising:

locating the intersection.

6. (Currently Amended) The method of <u>claim 4 </u>further comprising:

adjusting the <u>brightness level </u>based on at least one of a user input and an operating system control.

7. (Cancelled)

8. (Currently Amended) An apparatus comprising:

an inverter component for a backlight for a display;

<u>comparison circuitry to compare a brightness level for the backlight to a</u> <u>threshold brightness level, set an indicator to indicate a high brightness level if</u> <u>the brightness level is above the threshold brightness level, and set the indicator</u> <u>to indicate a low brightness level if the brightness level is below the threshold</u> <u>brightness level; and</u>

<u>controller circuitry to select either a continuous mode of operation for the</u> <u>voltage inverter or a burst mode of operation for the voltage inverter based at</u> <u>least in part on the indicator, wherein the threshold brightness level corresponds</u> <u>to an intersection of an efficiency curve of the voltage inverter in the continuous</u> <u>mode and an efficiency curve of the voltage inverter in the burst mode</u>.

9. (Previously Presented) The apparatus of claim 8 wherein the inverter component comprises:

a first switch coupled between a first node and a second node, said first node to couple to a voltage source;

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a second switch coupled between the second node and a third node, said third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth node;

a transformer having a first coil coupled between the fourth node and the fifth node, and a second coil to couple a sixth node to a first terminal of the backlight; and

a second capacitive element to couple the sixth node to a second terminal of the backlight.

10. (Original) The apparatus of claim 9 wherein the first, second, third, and fourth switches comprise field effect transistors (FETs).

11. (Currently Amended) The apparatus of claim 9 wherein the controller circuitry is to open and close the first, second, third, and fourth switches.

12. (Original) The apparatus of claim 9 wherein, in the continuous mode, the first and fourth switches are switched in phase, the second and third switches are switched in phase, and the first and fourth switches are switched 180 degrees out of phase with the second and third switches.

13. (Previously Presented) The apparatus of claim 9 wherein, in the burst mode, the first, second, third, and fourth switches are open during a resting duration.

14. (Currently Amended) The apparatus of claim 8 wherein the controller circuitry comprises:

an indicator pin to receive the indicator from the comparison circuitry.

15. - 17. (Cancelled)

18. (Previously Presented) A computer readable medium having stored thereon computer executable instructions that, when executed, implement a method comprising:

comparing a brightness level for a backlight to a threshold brightness level, said backlight having a voltage inverter;

if the brightness level is above the threshold brightness level, setting an indicator to indicate a high brightness level;

if the brightness level is below the threshold brightness level, setting the indicator to indicate a low brightness level; and

selecting either a continuous mode of operation for the voltage inverter or a burst mode of operation for the voltage inverter based at least in part on the indicator, wherein the threshold brightness level corresponds to an intersection of an efficiency curve of the voltage inverter in the continuous mode and an efficiency curve of the voltage inverter in the burst mode.

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19. (Previously Presented) The computer readable medium of claim 18 wherein the method further comprises:

      locating the intersection.

20. (Currently Amended) The computer readable medium of <u>claim 18 </u>wherein the method further comprises:

      adjusting the <u>brightness level </u>based on at least one of a user input and an operating system control.

21. (Cancelled)

22. (Currently Amended) A system comprising:

      a display;

      a cold cathode florescent lamp (CCFL) in the display; and

      a voltage inverter comprising

            an inverter component for the CCFL,

            <u>comparison circuitry to compare a brightness level for the CCFL to a threshold brightness level, set an indicator to indicate a high brightness level if the brightness level is above the threshold brightness level, and set the indicator to indicate a low brightness level if the brightness level is below the threshold brightness level, and</u>

<u>controller circuitry to select either a continuous mode of operation</u>

<u>for the voltage inverter or a burst mode of operation for the voltage inverter</u>

<u>based at least in part on the indicator, wherein the threshold brightness level</u>

<u>corresponds to an intersection of an efficiency curve of the voltage inverter in the</u>

<u>continuous mode and an efficiency curve of the voltage inverter in the burst</u>

<u>mode</u>.

23. (Previously Presented) The system of claim 22 wherein the inverter

component comprises:

a first switch coupled between a first node and a second node, said first

node to couple to a voltage source;

a second switch coupled between the second node and a third node, said

third node to couple to a ground;

a third switch coupled between the first node and a fourth node;

a fourth switch coupled between the third node and the fourth node;

a first capacitive element coupled between the second node and a fifth

node;

a transformer having a first coil coupled between the fourth node and the

fifth node, and a second coil to couple a sixth node to a first terminal of the

backlight; and

a second capacitive element to couple the sixth node to a second terminal

of the backlight.

24. (Currently Amended) The system of claim 23 wherein the controller circuitry is to open and close the first, second, third, and fourth switches.

25. (Original) The system of claim 23 wherein, in the continuous mode, the first and fourth switches are switched in phase, the second and third switches are switched in phase, and the first and fourth switches are switched 180 degrees out of phase with the second and third switches.

26. (Previously Presented) The system of claim 23 wherein, in the burst mode, the first, second, third, and fourth switches are open during a resting duration.

27. (Currently Amended) The system of claim 22 wherein the controller circuitry comprises:

    an indicator pin to receive the indicator.

28. (New) The method of claim 4 wherein the threshold brightness setting corresponds to 60 candela per meter squared.

29. (New) The method of claim 4 wherein selecting either the continuous mode or the burst mode comprises:

    selecting the continuous mode if the indicator indicates the high brightness level; and

    selecting the burst mode if the indicator indicates the low brightness level.

30. (New) The computer readable medium of claim 18 wherein the threshold brightness setting corresponds to 60 candela per meter squared.

31. (New) The computer readable medium of claim 18 wherein selecting either the continuous mode or the burst mode comprises:

selecting the continuous mode if the indicator indicates the high brightness level; and

selecting the burst mode if the indicator indicates the low brightness level.